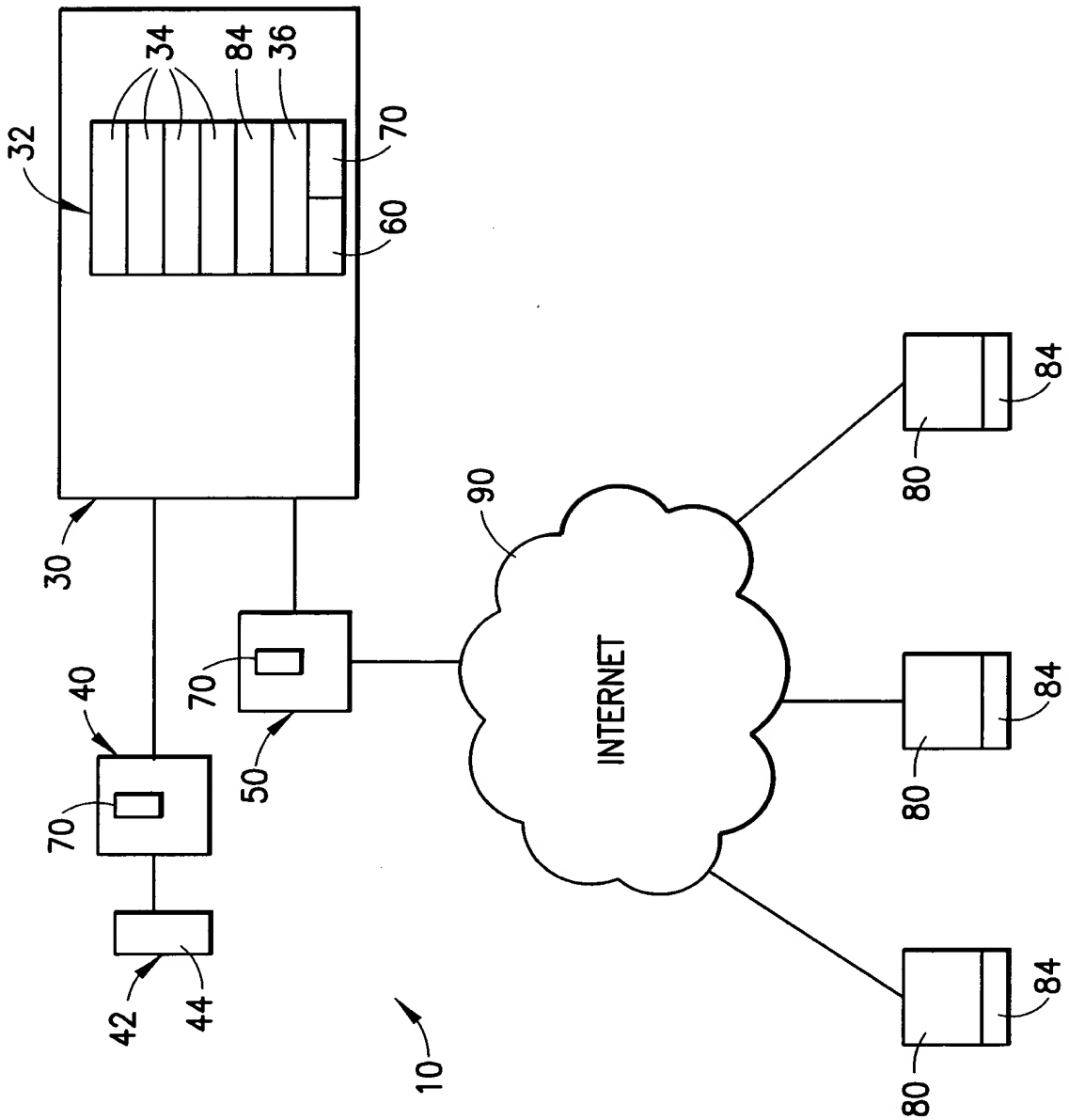
32
34
84
36
70
60
30
40
70
50
70
42
44
10
90
INTERNET
80
84
80
84
80
84

FIG. 1A

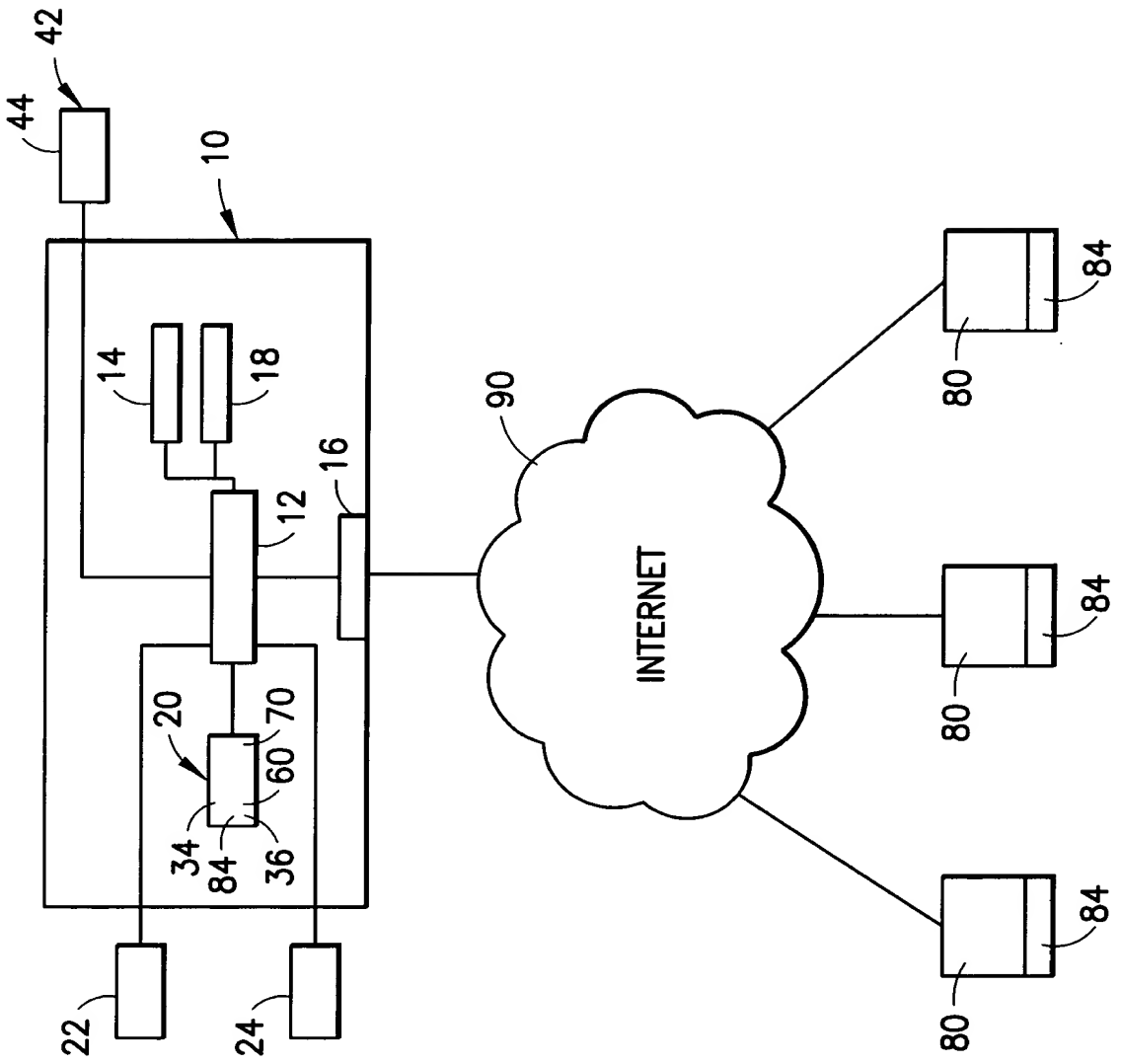

FIG. 1B

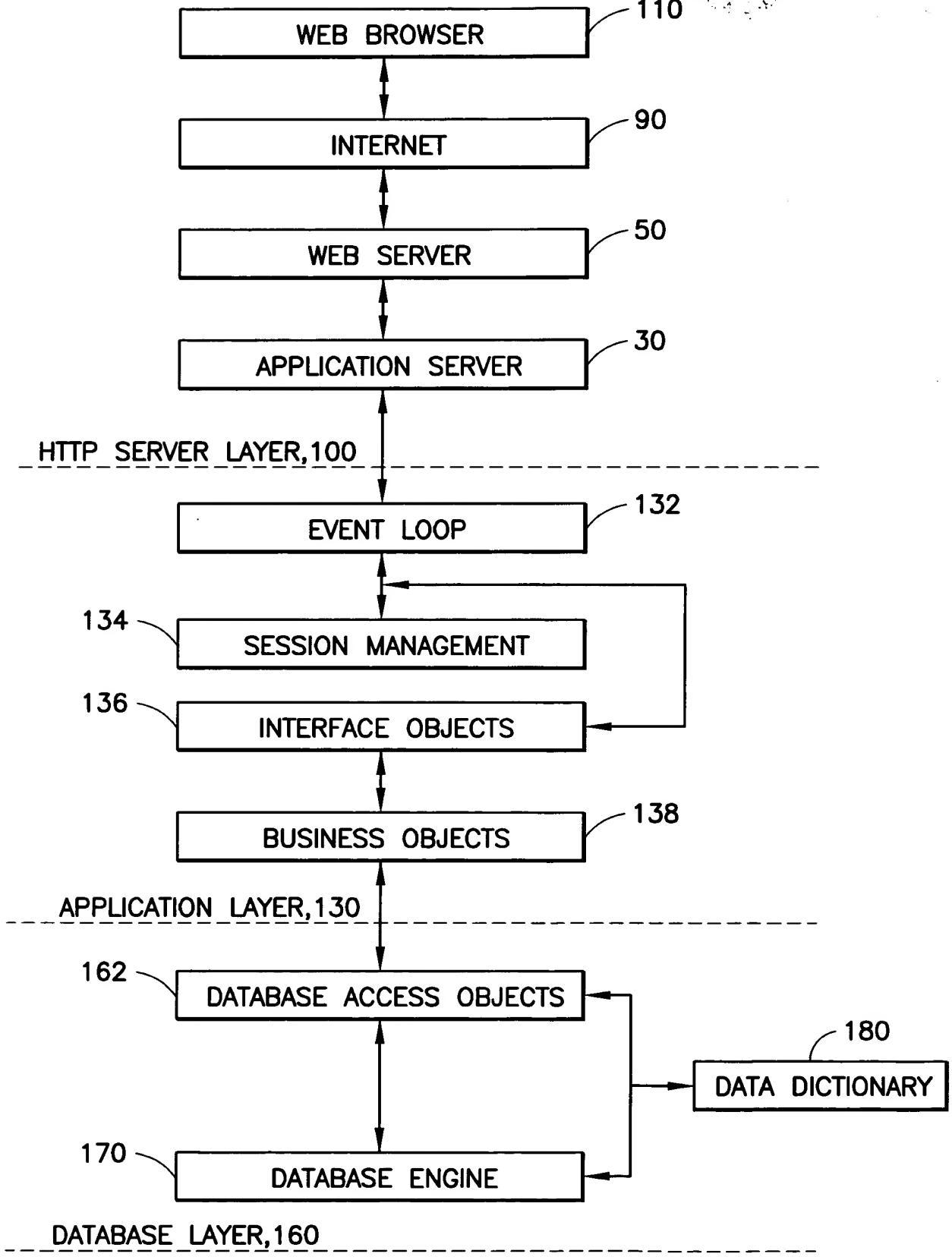
WEB BROWSER
110
INTERNET
90
WEB SERVER
50
APPLICATION SERVER
30
HTTP SERVER LAYER,100
EVENT LOOP
132
134
SESSION MANAGEMENT
136
INTERFACE OBJECTS
BUSINESS OBJECTS
138
APPLICATION LAYER,130
162
DATABASE ACCESS OBJECTS
180
DATA DICTIONARY
170
DATABASE ENGINE
DATABASE LAYER,160

FIG.2

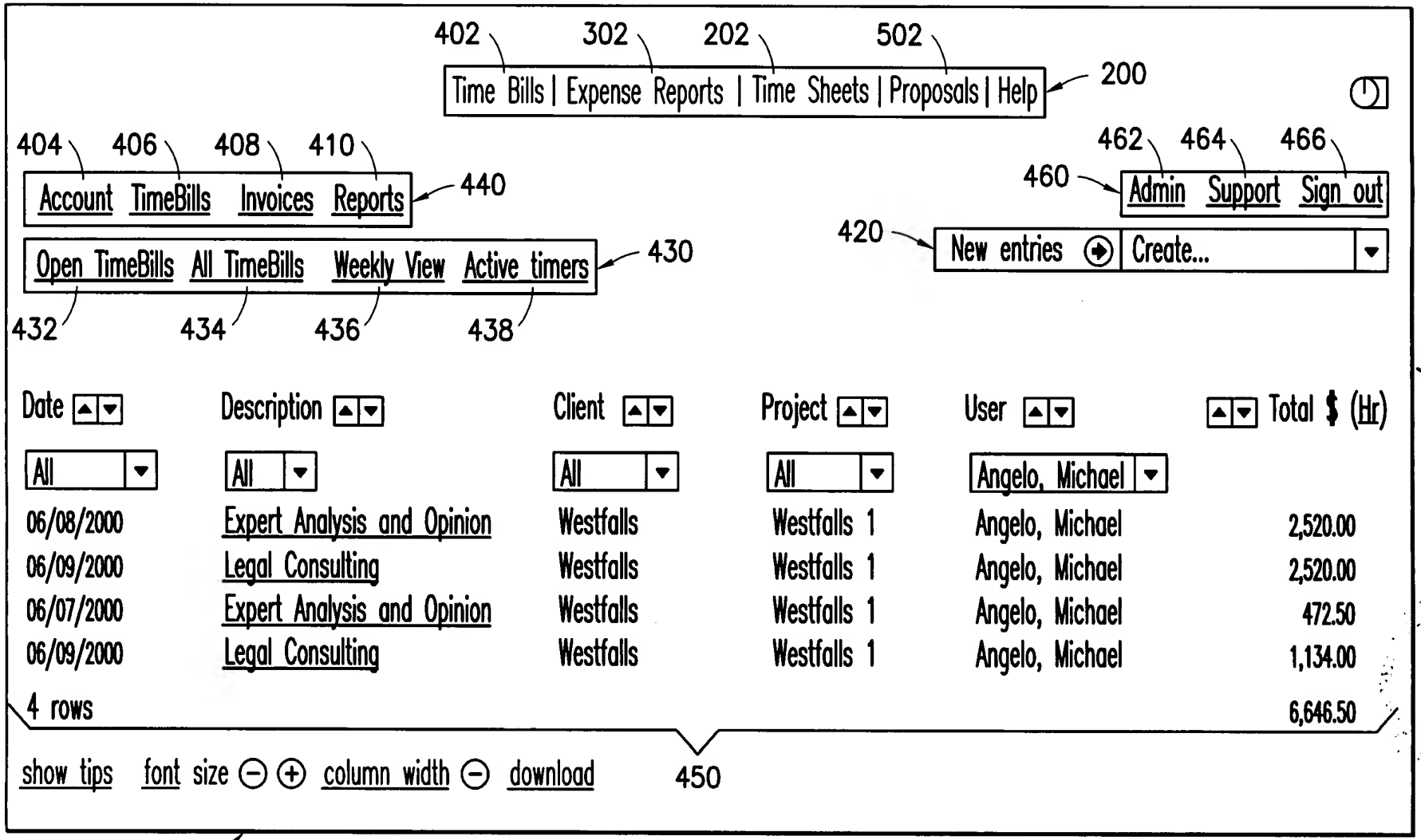
402
302
202
502
Time Bills | Expense Reports | Time Sheets | Proposals | Help
200
404
406
408
410
Account TimeBills Invoices Reports
440
462
464
466
460
Admin Support Sign out
420
New entries
Create...
Open TimeBills All TimeBills Weekly View Active timers
430
432
434
436
438
Date
Description
Client
Project
User
Total $ (Hr)
All
All
All
All
Angelo, Michael
06/08/2000 Expert Analysis and Opinion Westfalls Westfalls 1 Angelo, Michael 2,520.00
06/09/2000 Legal Consulting Westfalls Westfalls 1 Angelo, Michael 2,520.00
06/07/2000 Expert Analysis and Opinion Westfalls Westfalls 1 Angelo, Michael 472.50
06/09/2000 Legal Consulting Westfalls Westfalls 1 Angelo, Michael 1,134.00
4 rows
6,646.50
show tips
font size
column width
download
450
470

FIG.3A

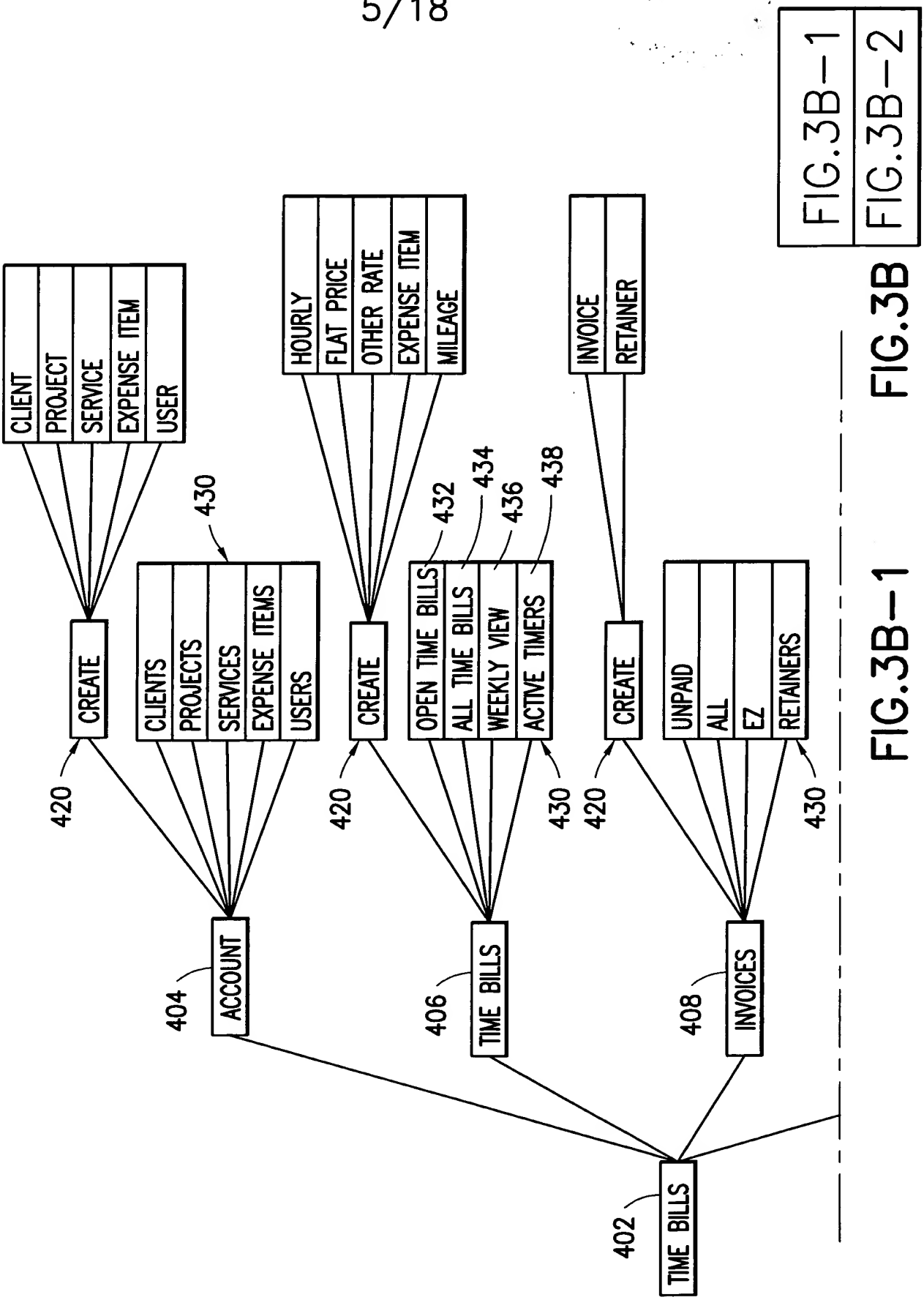

FIG.3B-1

FIG.3B

FIG.3B-1
FIG.3B-2

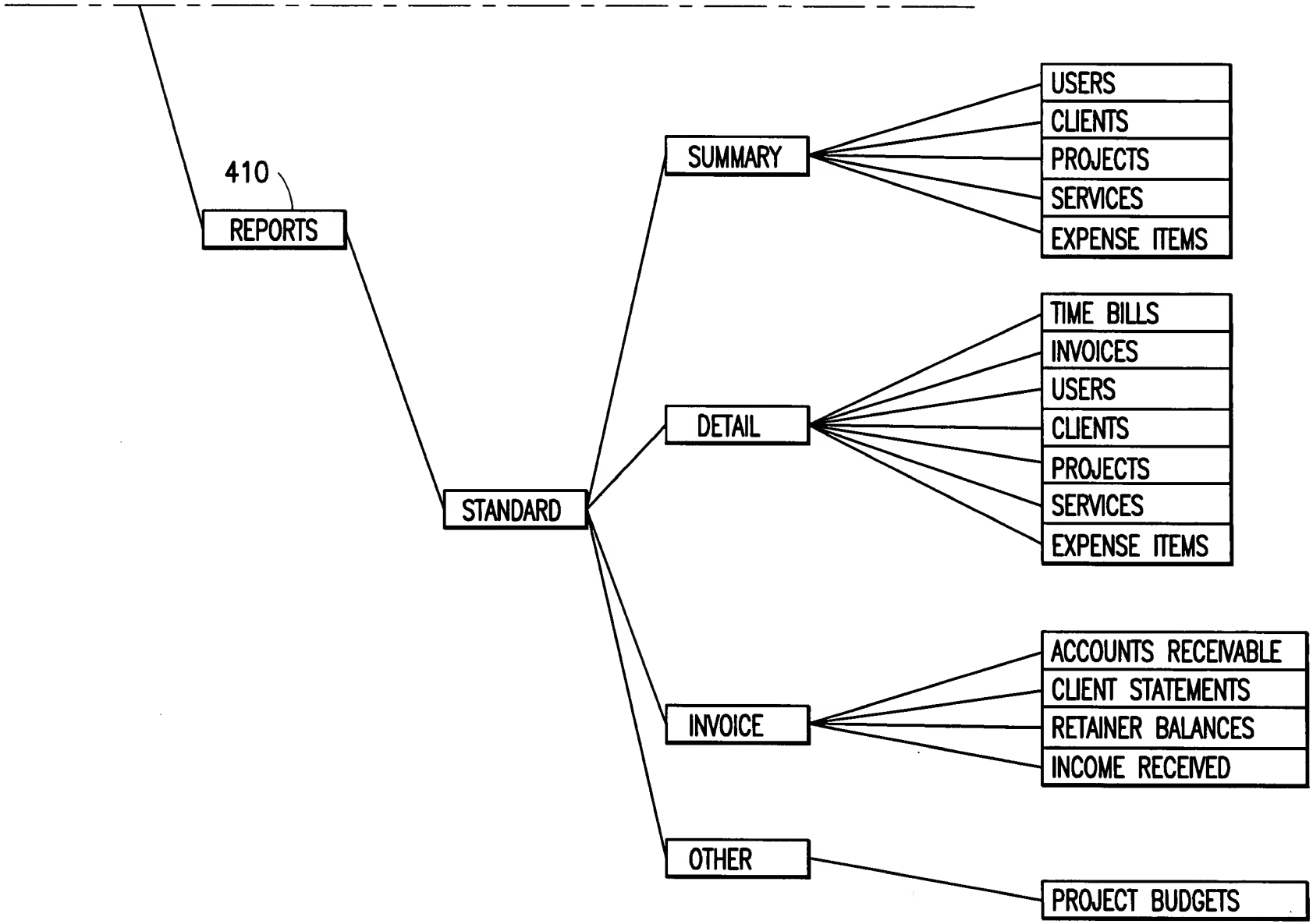
410
REPORTS
STANDARD
SUMMARY
DETAIL
INVOICE
OTHER
USERS
CLIENTS
PROJECTS
SERVICES
EXPENSE ITEMS
TIME BILLS
INVOICES
USERS
CLIENTS
PROJECTS
SERVICES
EXPENSE ITEMS
ACCOUNTS RECEIVABLE
CLIENT STATEMENTS
RETAINER BALANCES
INCOME RECEIVED
PROJECT BUDGETS

FIG.3B-2

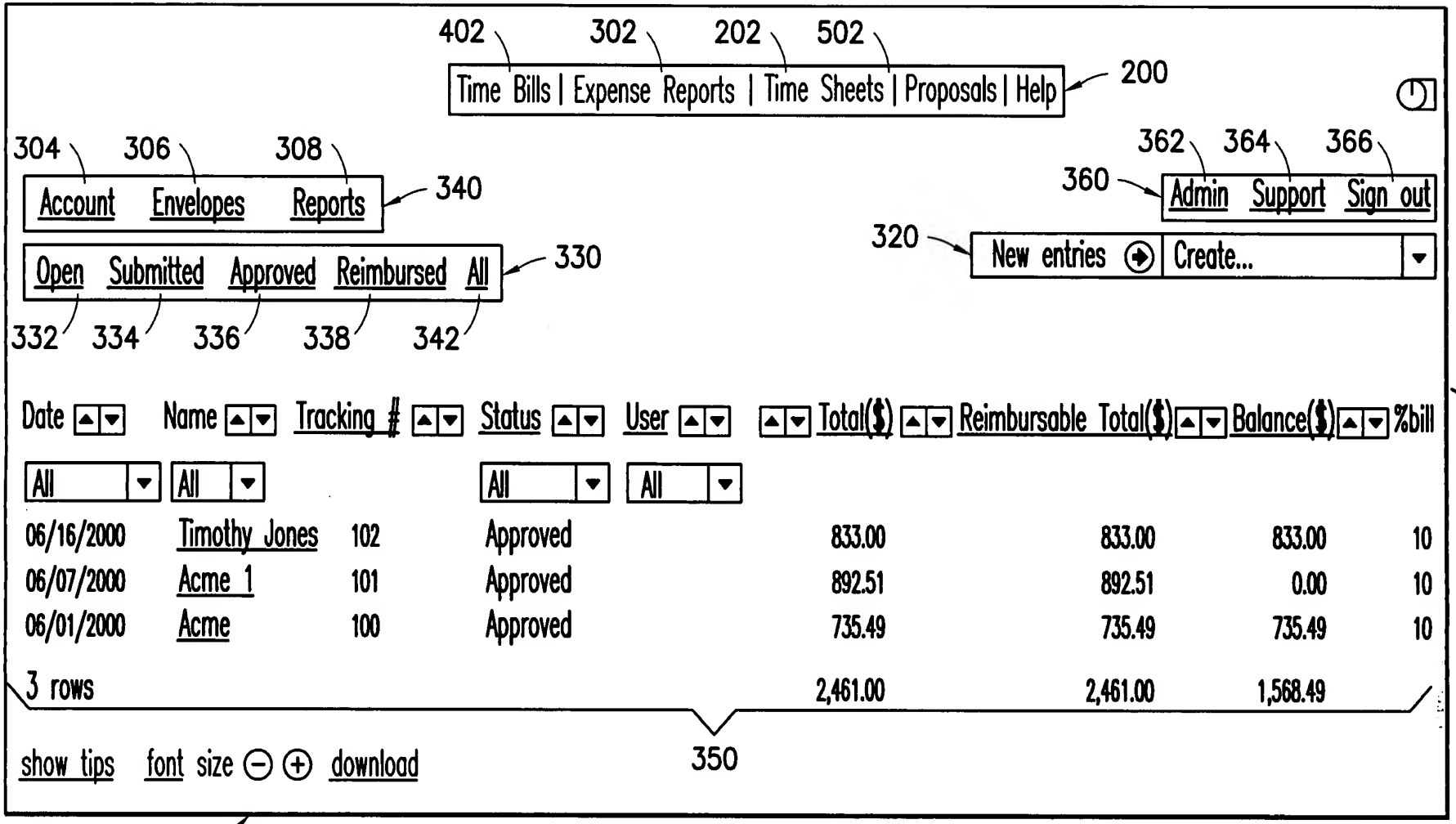
402
302
202
502
Time Bills | Expense Reports | Time Sheets | Proposals | Help
200
304
306
308
Account Envelopes Reports
340
362
364
366
360
Admin Support Sign out
320
New entries
Create...
Open Submitted Approved Reimbursed All
330
332
334
336
338
342
Date
Name
Tracking #
Status
User
Total($)
Reimbursable Total($)
Balance($)
%bill
All
All
All
All
06/16/2000 Timothy Jones 102 Approved 833.00 833.00 833.00 10
06/07/2000 Acme 1 101 Approved 892.51 892.51 0.00 10
06/01/2000 Acme 100 Approved 735.49 735.49 735.49 10
3 rows 2,461.00 2,461.00 1,568.49
350
show tips
font size
download
370

FIG.4A

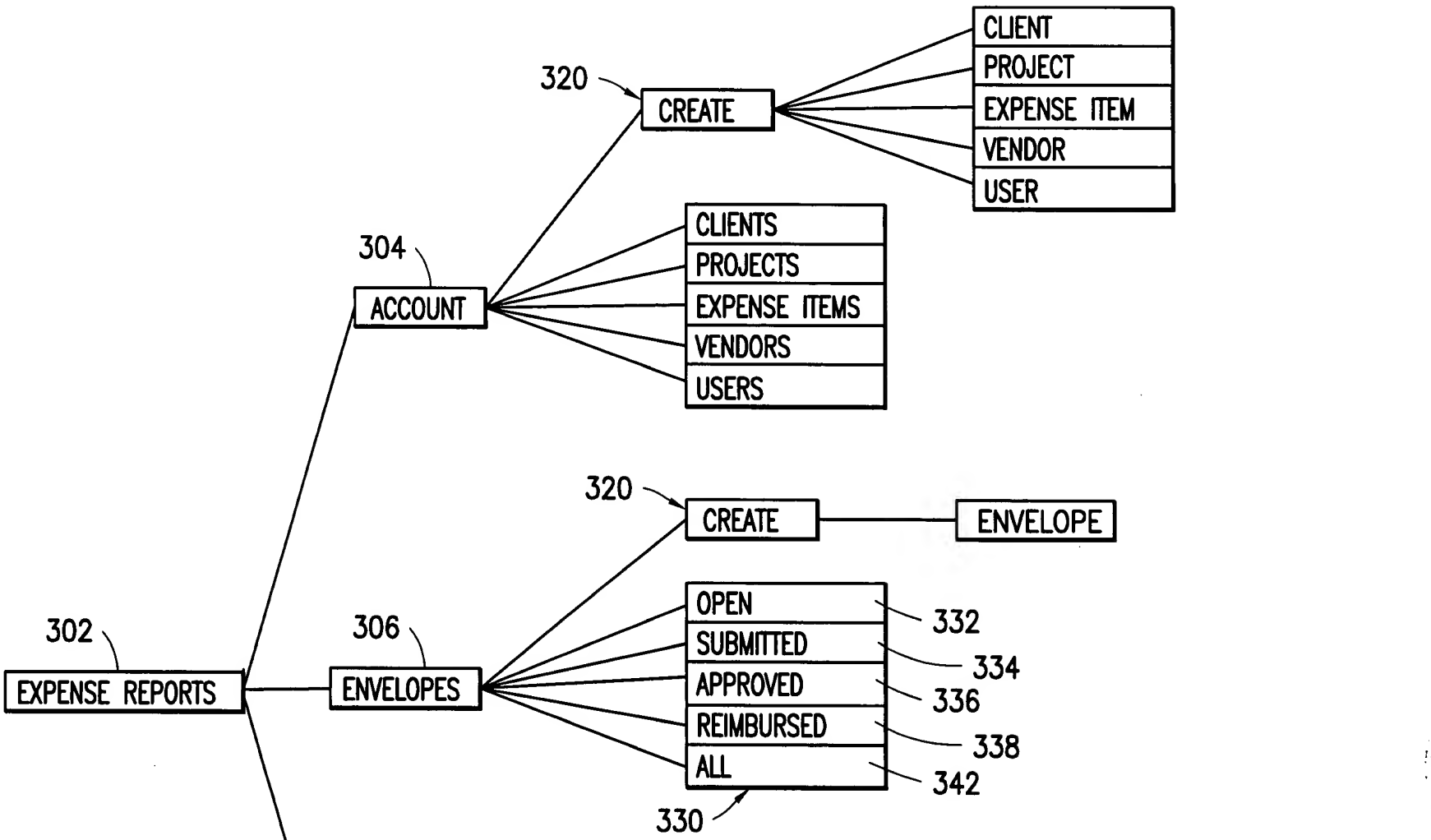

FIG.4B-1

FIG.4B-1

FIG.4B-2

FIG.4B

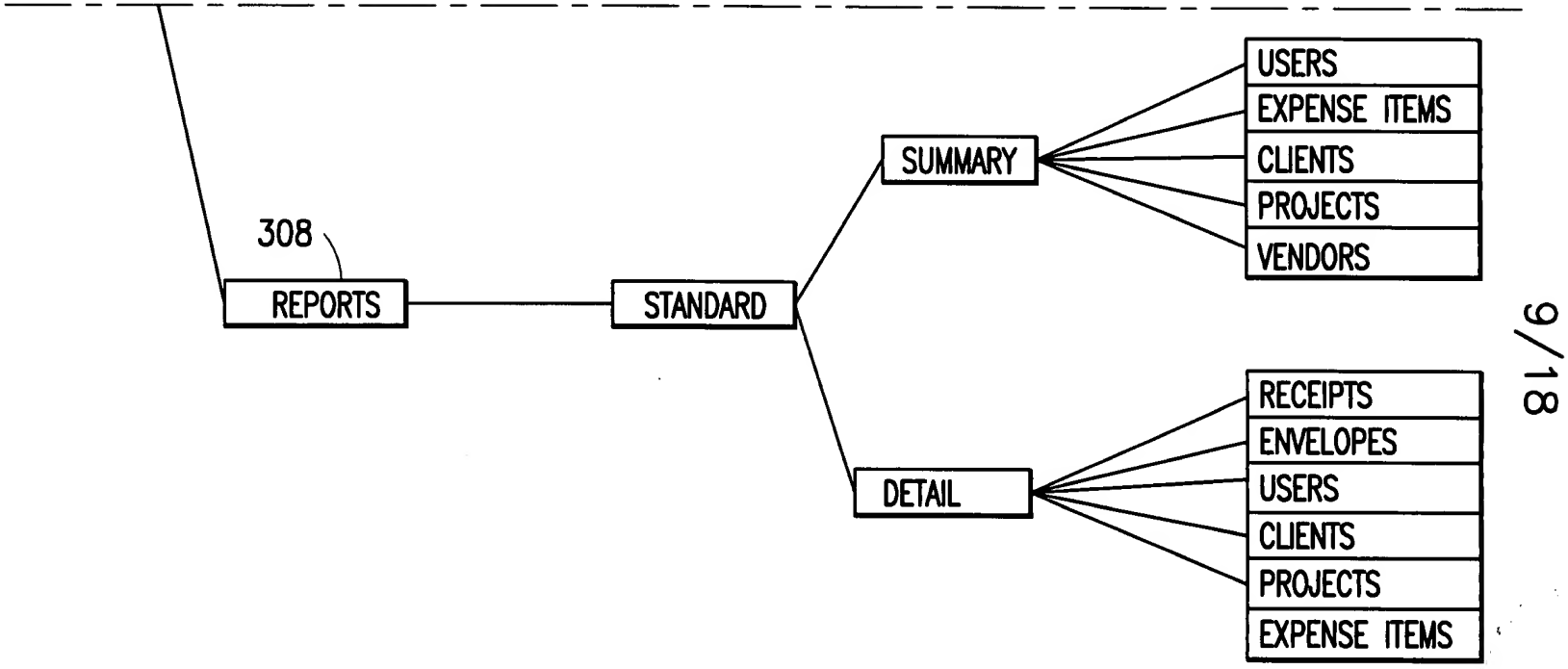
308
REPORTS
STANDARD
SUMMARY
DETAIL
USERS
EXPENSE ITEMS
CLIENTS
PROJECTS
VENDORS
RECEIPTS
ENVELOPES
USERS
CLIENTS
PROJECTS
EXPENSE ITEMS

FIG.4B–2

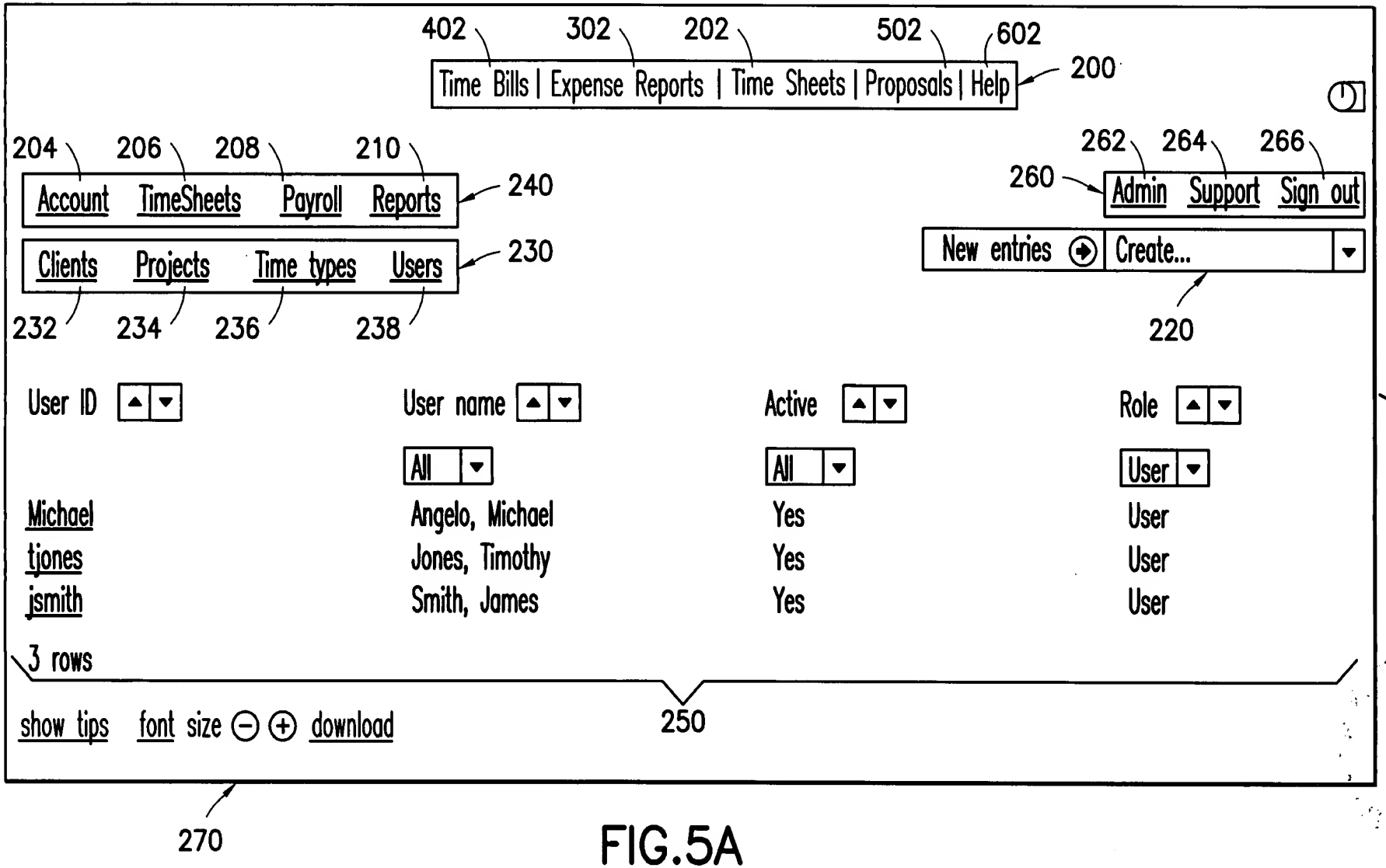
402
302
202
502
602
Time Bills | Expense Reports | Time Sheets | Proposals | Help
200
204
206
208
210
Account TimeSheets Payroll Reports
240
262
264
266
260
Admin Support Sign out
Clients Projects Time types Users
230
New entries
Create...
232
234
236
238
220
User ID
User name
Active
Role
All
All
User
Michael
Angelo, Michael
Yes
User
tjones
Jones, Timothy
Yes
User
jsmith
Smith, James
Yes
User
3 rows
250
show tips
font size
download
270

FIG.5A

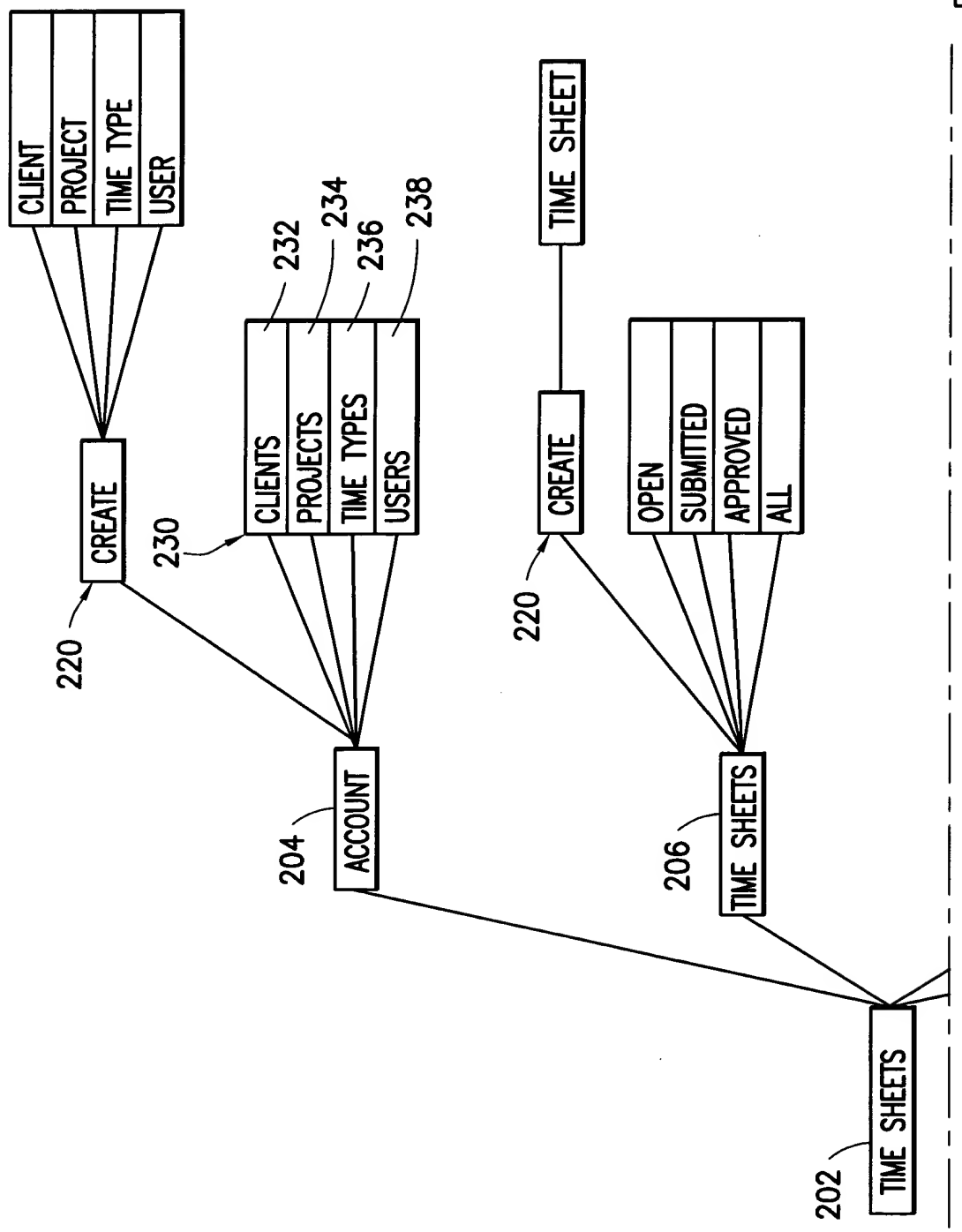

FIG.5B-1

FIG.5B

FIG.5B-1
FIG.5B-2

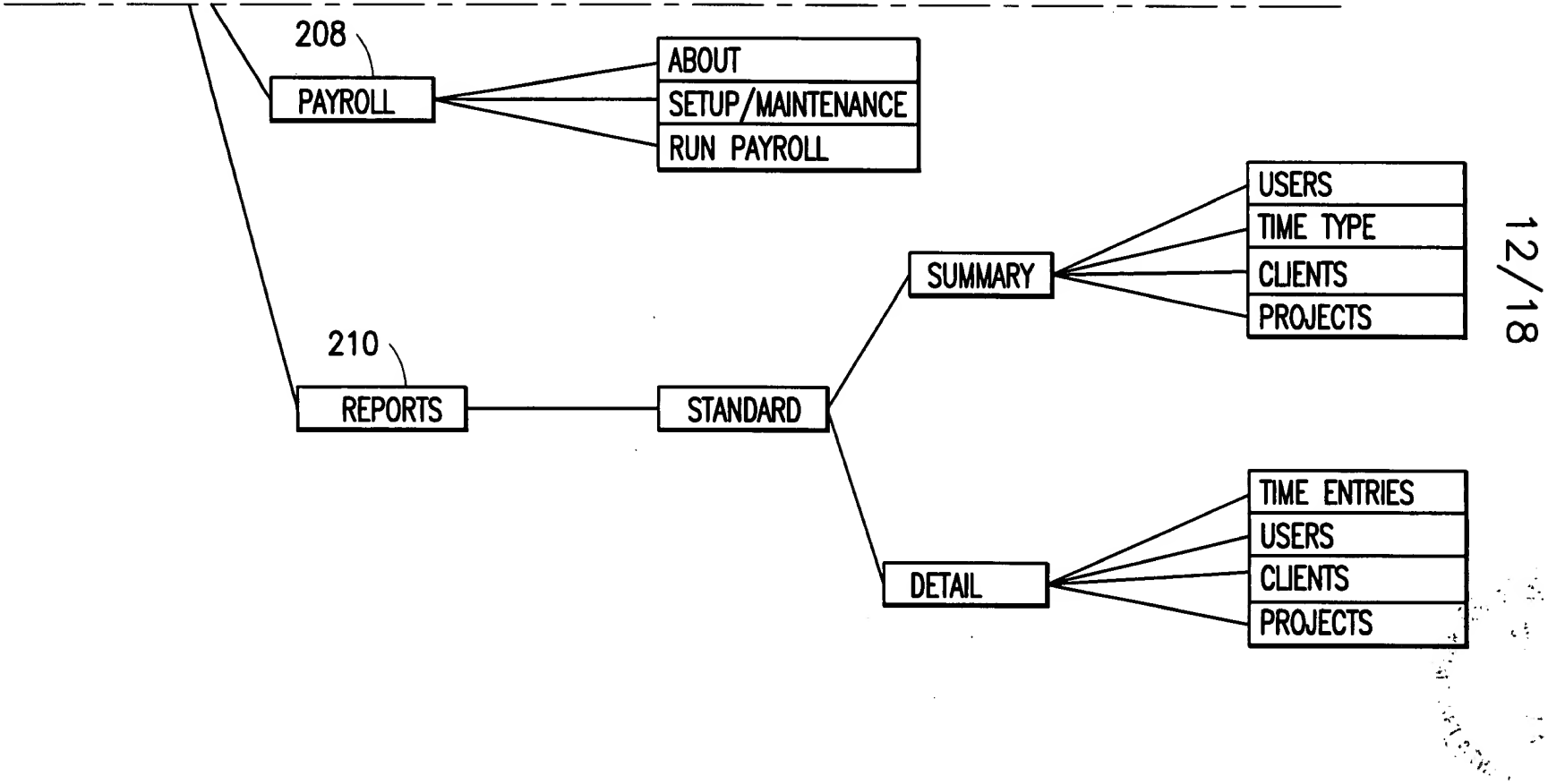
208
PAYROLL
ABOUT
SETUP/MAINTENANCE
RUN PAYROLL
210
REPORTS
STANDARD
SUMMARY
USERS
TIME TYPE
CLIENTS
PROJECTS
DETAIL
TIME ENTRIES
USERS
CLIENTS
PROJECTS

FIG.5B–2

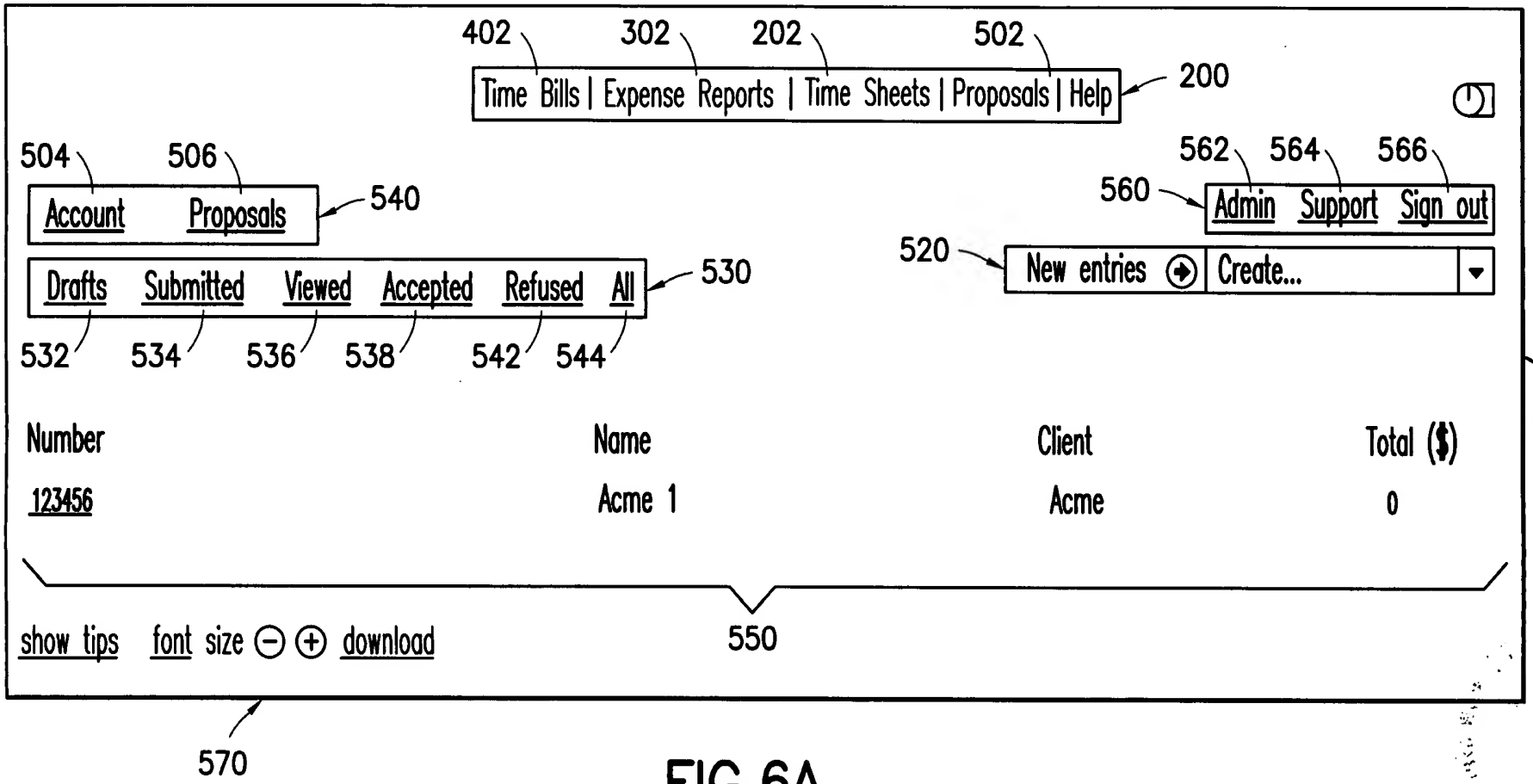
402
302
202
502
Time Bills | Expense Reports | Time Sheets | Proposals | Help
200
504
506
Account
Proposals
540
562
564
566
560
Admin
Support
Sign out
520
New entries
Create...
Drafts
Submitted
Viewed
Accepted
Refused
All
530
532
534
536
538
542
544
Number
Name
Client
Total ($)
123456
Acme 1
Acme
0
550
show tips
font size
download
570

FIG.6A

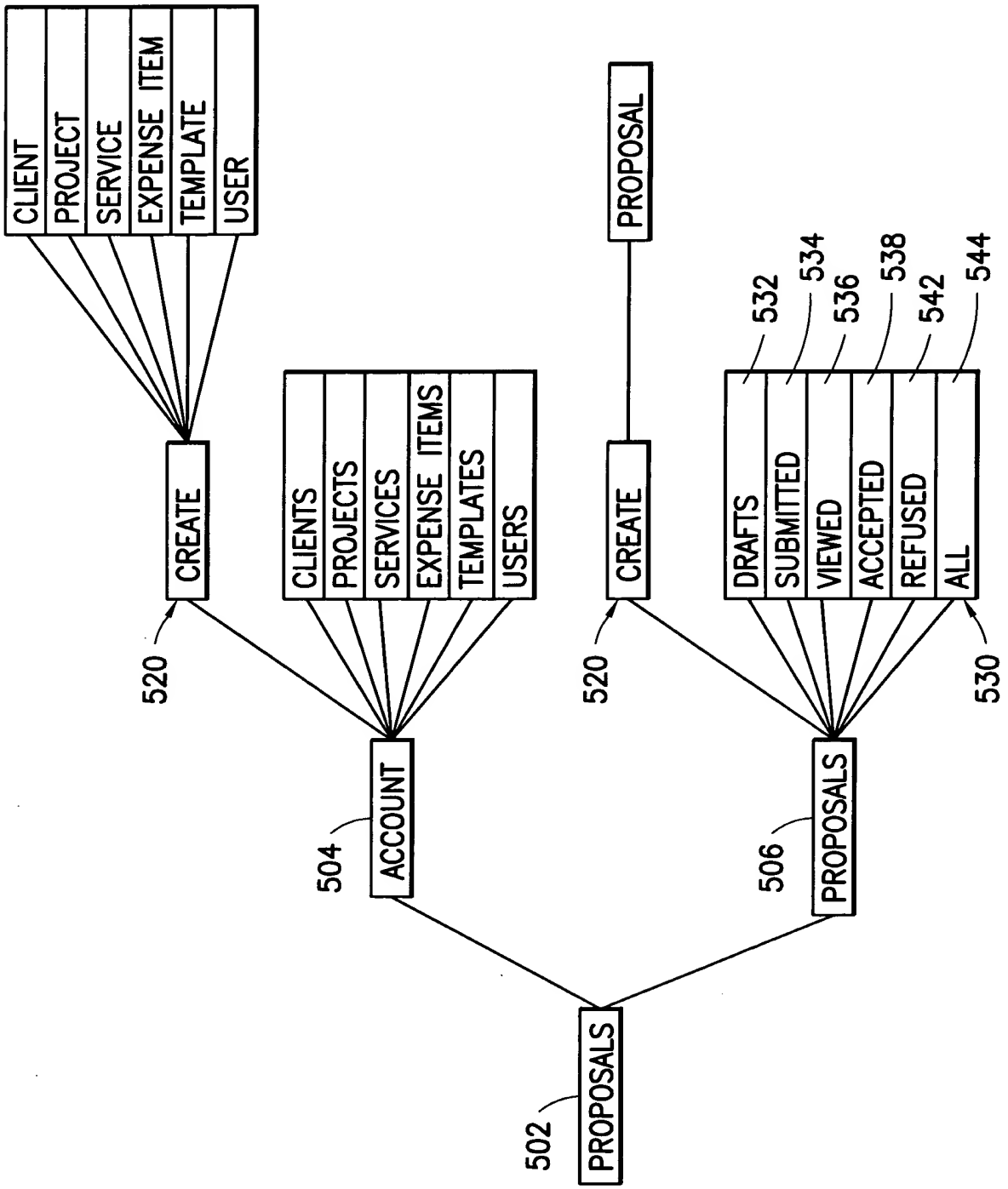
PROPOSALS
502
ACCOUNT
504
PROPOSALS
506
CREATE
520
CLIENT
PROJECT
SERVICE
EXPENSE ITEM
TEMPLATE
USER
CLIENTS
PROJECTS
SERVICES
EXPENSE ITEMS
TEMPLATES
USERS
CREATE
520
PROPOSAL
DRAFTS
SUBMITTED
VIEWED
ACCEPTED
REFUSED
ALL
530
532
534
536
538
542
544

FIG.6B

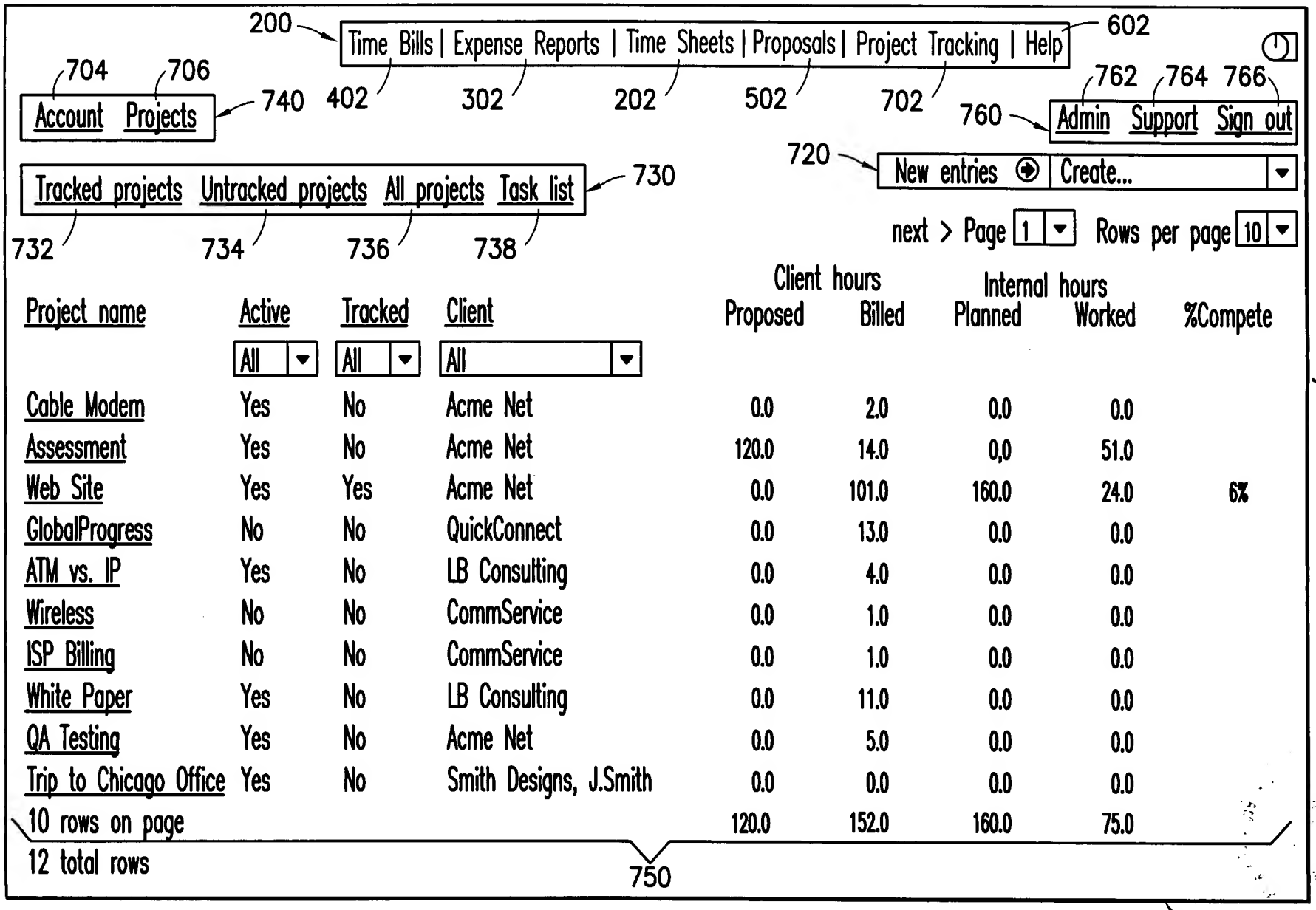
200
Time Bills | Expense Reports | Time Sheets | Proposals | Project Tracking | Help
602
704
706
Account Projects
740
402
302
202
502
702
762
764
766
760
Admin Support Sign out
720
New entries
Create...
730
Tracked projects Untracked projects All projects Task list
732
734
736
738
next > Page 1 Rows per page 10
Client hours
Internal hours
Project name
Active
Tracked
Client
Proposed
Billed
Planned
Worked
%Compete
All
All
All
Cable Modem Yes No Acme Net 0.0 2.0 0.0 0.0
Assessment Yes No Acme Net 120.0 14.0 0,0 51.0
Web Site Yes Yes Acme Net 0.0 101.0 160.0 24.0 6%
GlobalProgress No No QuickConnect 0.0 13.0 0.0 0.0
ATM vs. IP Yes No LB Consulting 0.0 4.0 0.0 0.0
Wireless No No CommService 0.0 1.0 0.0 0.0
ISP Billing No No CommService 0.0 1.0 0.0 0.0
White Paper Yes No LB Consulting 0.0 11.0 0.0 0.0
QA Testing Yes No Acme Net 0.0 5.0 0.0 0.0
Trip to Chicago Office Yes No Smith Designs, J.Smith 0.0 0.0 0.0 0.0
10 rows on page 120.0 152.0 160.0 75.0
12 total rows
750
770

FIG.7A

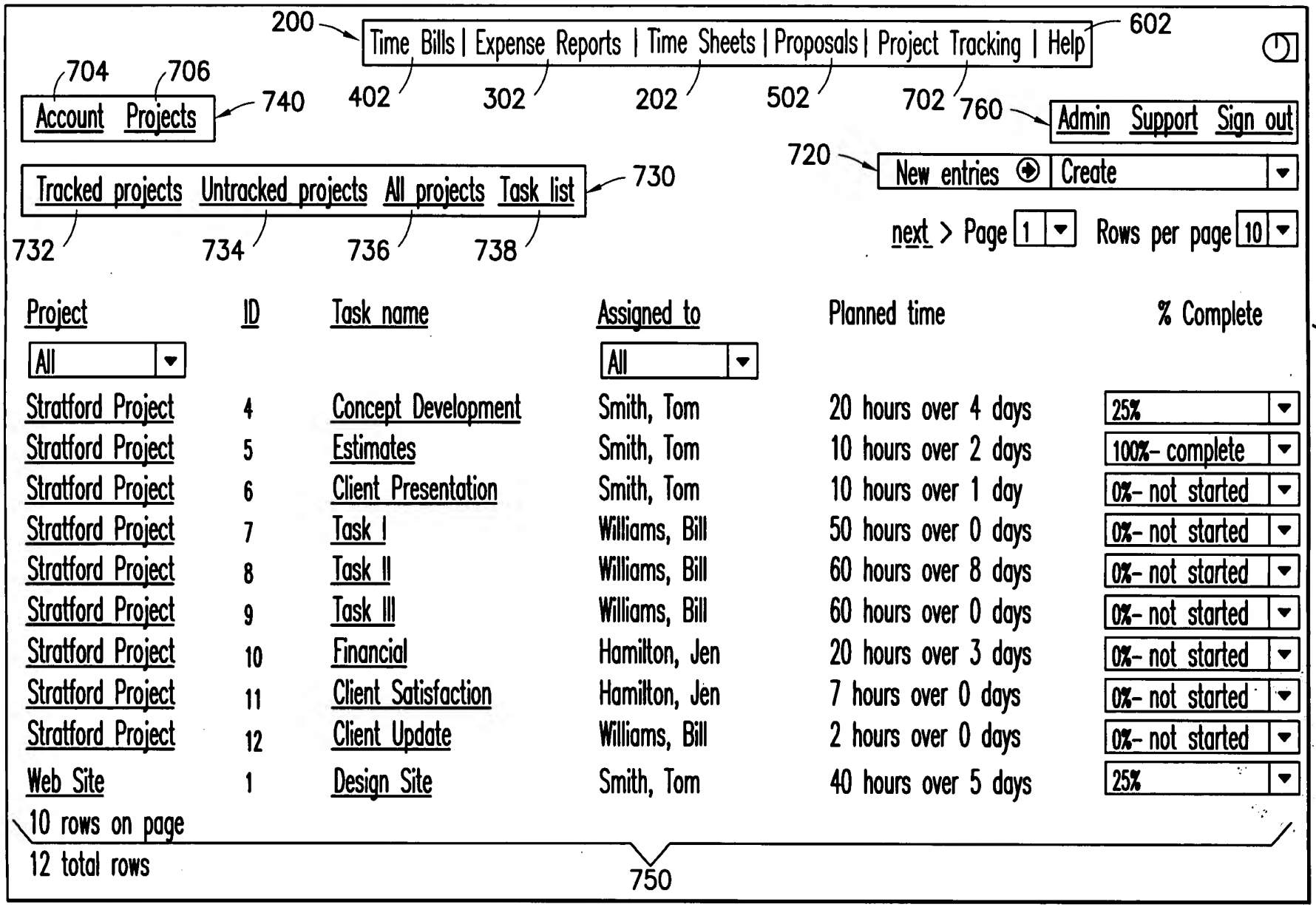
200
Time Bills | Expense Reports | Time Sheets | Proposals | Project Tracking | Help
602
704
706
Account Projects
740
402
302
202
502
702
760
Admin Support Sign out
720
New entries
Create
Tracked projects Untracked projects All projects Task list
730
732
734
736
738
next > Page 1 Rows per page 10
Project
ID
Task name
Assigned to
Planned time
% Complete
All
All
Stratford Project 4 Concept Development Smith, Tom 20 hours over 4 days 25%
Stratford Project 5 Estimates Smith, Tom 10 hours over 2 days 100%- complete
Stratford Project 6 Client Presentation Smith, Tom 10 hours over 1 day 0%- not started
Stratford Project 7 Task I Williams, Bill 50 hours over 0 days 0%- not started
Stratford Project 8 Task II Williams, Bill 60 hours over 8 days 0%- not started
Stratford Project 9 Task III Williams, Bill 60 hours over 0 days 0%- not started
Stratford Project 10 Financial Hamilton, Jen 20 hours over 3 days 0%- not started
Stratford Project 11 Client Satisfaction Hamilton, Jen 7 hours over 0 days 0%- not started
Stratford Project 12 Client Update Williams, Bill 2 hours over 0 days 0%- not started
Web Site 1 Design Site Smith, Tom 40 hours over 5 days 25%
10 rows on page
12 total rows
750

FIG.7B

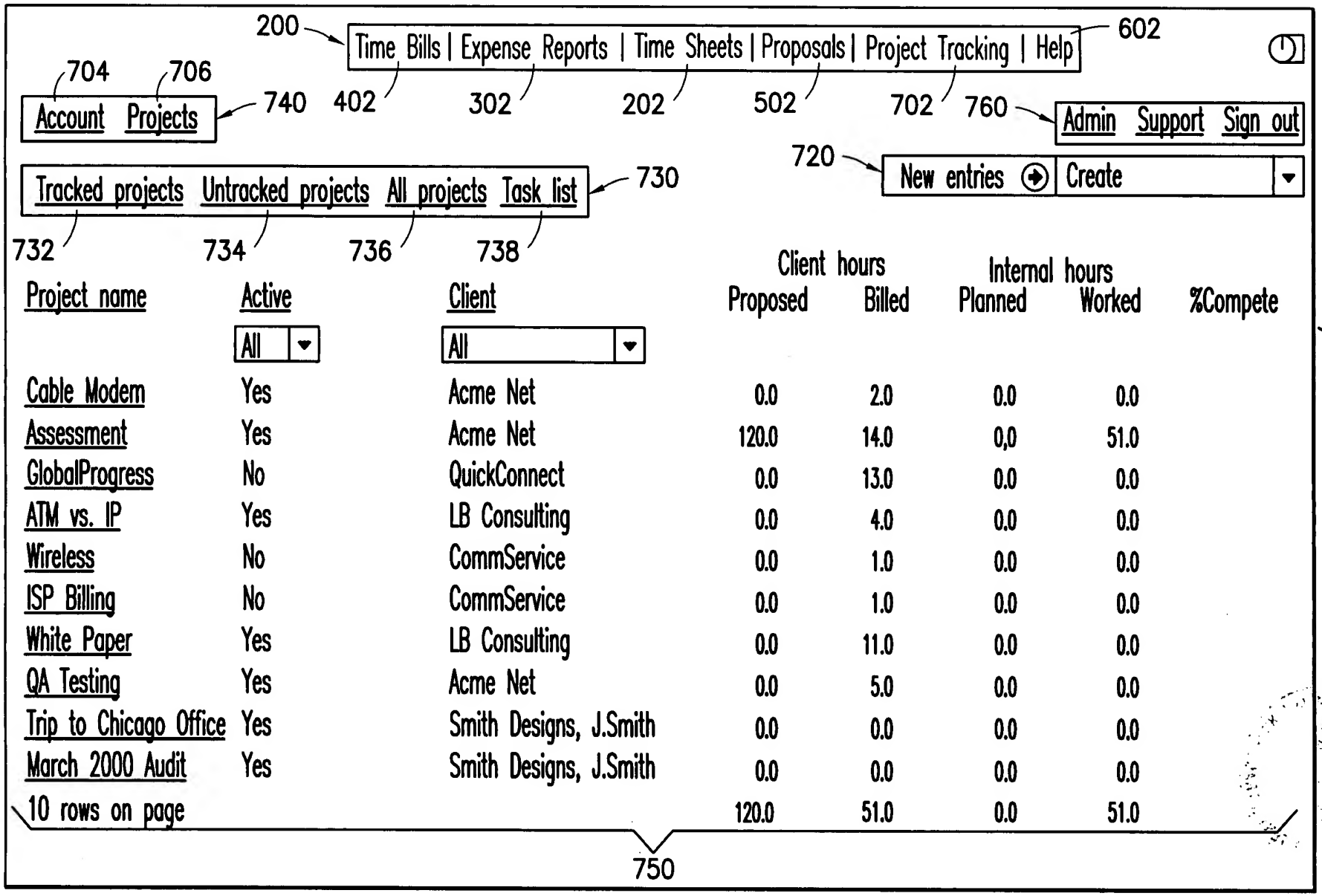
200
Time Bills | Expense Reports | Time Sheets | Proposals | Project Tracking | Help
602
704
706
Account Projects
740
402
302
202
502
702
760
Admin Support Sign out
720
New entries
Create
Tracked projects Untracked projects All projects Task list
730
732
734
736
738
Client hours
Internal hours
Project name
Active
Client
Proposed
Billed
Planned
Worked
%Compete
All
All
Cable Modem Yes Acme Net 0.0 2.0 0.0 0.0
Assessment Yes Acme Net 120.0 14.0 0,0 51.0
GlobalProgress No QuickConnect 0.0 13.0 0.0 0.0
ATM vs. IP Yes LB Consulting 0.0 4.0 0.0 0.0
Wireless No CommService 0.0 1.0 0.0 0.0
ISP Billing No CommService 0.0 1.0 0.0 0.0
White Paper Yes LB Consulting 0.0 11.0 0.0 0.0
QA Testing Yes Acme Net 0.0 5.0 0.0 0.0
Trip to Chicago Office Yes Smith Designs, J.Smith 0.0 0.0 0.0 0.0
March 2000 Audit Yes Smith Designs, J.Smith 0.0 0.0 0.0 0.0
10 rows on page
120.0 51.0 0.0 51.0
750

FIG.7C

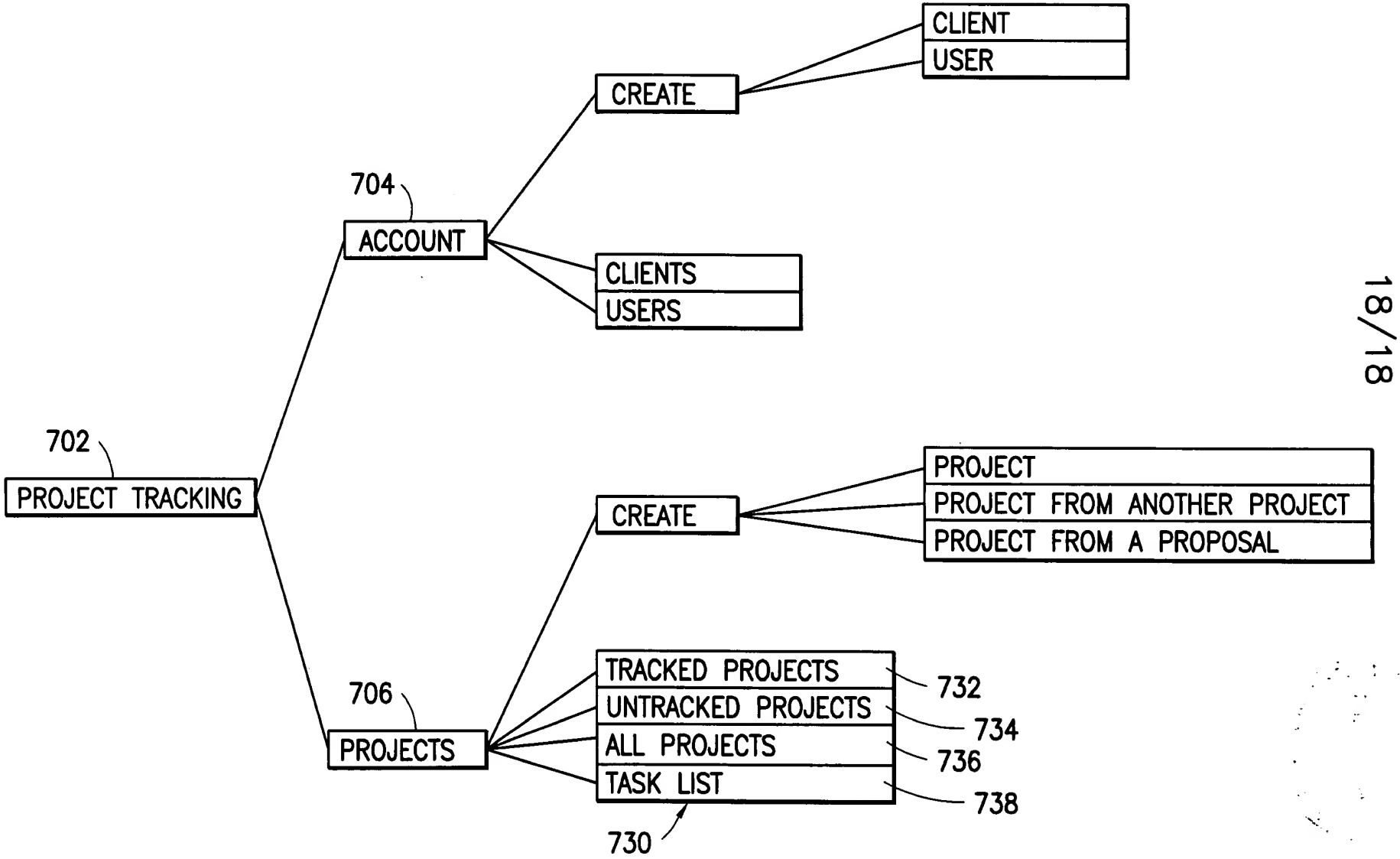
PROJECT TRACKING
702
ACCOUNT
704
CREATE
CLIENT
USER
CLIENTS
USERS
PROJECTS
706
CREATE
PROJECT
PROJECT FROM ANOTHER PROJECT
PROJECT FROM A PROPOSAL
TRACKED PROJECTS
UNTRACKED PROJECTS
ALL PROJECTS
TASK LIST
732
734
736
738
730

FIG.7D